

Clean Set of Amended Claims

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1. (Amended) An electron gun in a cathode ray tube (CRT) comprising:  
a plurality of stem pins for applying different voltages;  
an acceleration electrode, a third electrode, a fourth electrode, and a static  
electrode for forming pre-focus lenses;  
a dynamic electrode and an anode for forming a main focus lens, dynamic and  
static electrodes forming a quadrupole lens;  
a bead glass for holding the foregoing electrodes at fixed distances; and  
a wire having one end welded to the third electrode, the other end welded to a  
stem pin applying a dynamic voltage, and a body of the wire between the one end and the other  
end of the wire, wherein the body of the wire is arranged so as not to pass through a space  
formed between an outer surface of the bead glass and an inner surface of a neck tube of the  
cathode ray tube.

2. (Amended) An electron gun in a cathode ray tube (CRT) comprising:  
a plurality of stem pins for applying different voltages;  
an acceleration electrode, a third electrode, a fourth electrode, and a static  
electrode for forming pre-focus lenses;  
a dynamic electrode and an anode for forming a main focus lens, the dynamic and  
static electrodes forming a quadrupole lens;

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first and second bead glasses for holding the foregoing electrodes at fixed distances;

*Am Count*

a first wire having one end welded to the dynamic electrode, the other end welded to a first stem pin for applying a dynamic voltage, and a first body of the first wire between the one end and the other end; and

a second wire having one end welded to the third electrode, the other end welded to a second stem pin for applying a static voltage, and a second body of the second wire between the one end and the other end wherein the first and second wires are arranged so as not to pass through a space formed between an outer surface of each of the bead glasses and an inner surface of a neck tube of the cathode ray tube.

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**C. Please add new claims 4-27 as follows:**

*STRAIGHT PORTION*

*BEND PORTION*

*STRAIGHT PORTION OF BEAD GLASS*

*a5*

4. (New) The electron gun of claim 1, wherein the body of the wire has a straight portion extended from the one end of the wire to beyond an end of the bead glass, and a bent portion connecting the straight portion to the other end of the wire.

5. (New) The electron gun of claim 4, wherein the straight portion of the wire extends substantially in parallel with the bead glass.

6. (New) The electron gun of claim 4, wherein the straight portion of the wire is not in contact with the bead glass.

7. (New) The electron gun of claim 4, wherein the bent portion of the wire is bent to an area outside of the area of the bead glass.

8. (New) The electron gun of claim 1, wherein the bead glass has at least three sides, and wherein the body of the wire is arranged around less than three sides of the bead glass.

9. (New) The electron gun of claim 1, wherein the body of the wire is arranged in parallel to only one side of the bead glass.

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Cont*

10. (New) The electron gun of claim 2, wherein the first body has a first straight portion extended from the one end of the first wire and beyond an end of the first bead glass, and a first bent portion connecting the first straight portion to the other end of the first wire.

*A5*

11. (New) The electron gun of claim 10, wherein the second body has a second straight portion extended from the one end of the second wire and beyond an end of the second bead glass, and a second bent portion connecting the second straight portion to the other end of the second wire.

12. (New) The electron gun of claim 11, wherein the first and second straight portions of the wires extend substantially in parallel with the first and second bead glasses, respectively.

13. (New) The electron gun of claim 11, wherein the first and second straight portions of the wires are not in contact with any one of the first and second bead glasses.

14. (New) The electron gun of claim 11, wherein the first and second bent portions are bent to an area outside of the areas of the first and second bead glasses.

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15. (New) The electron gun of claim 2, wherein each of the bead glasses have at least three sides and wherein each of bodies of the wires is arranged around less than three sides of each of the bead glasses.

*A 5*

16. (New) The electron gun of claim 2, wherein each of the bodies of the wires is arranged in parallel to only one of the sides of one of the bead glasses.

17. (New) An electron gun for a cathode ray tube (CRT), comprising:  
a plurality of stem pins;  
a plurality of electrodes;  
a bead glass that holds said electrodes at predetermined distances from one another; and

a wire having one end communicatively coupled to one of the plurality of electrodes and the other end communicatively coupled to one of the plurality of stem pins, wherein the bead glass has at least three sides, and wherein the wire is arranged around less than three sides of the bead glass.

18. (New) The electron gun of claim 17, wherein the wire is arranged in parallel to only one of the sides of the bead glass.

*Substantive*

19. (New) The electron gun of claim 17, wherein the wire is arranged so as to not pass between a surface of the bead glass closest to an inner surface of a neck tube of the cathode ray tube and the inner surface of a neck tube of the cathode ray tube.

*As*

20. (New) The electron gun of claim 17, further comprising a second bead glass and a second wire, wherein the second wire has one end communicatively coupled to a second of the plurality of electrodes and the other end of the second wire is communicatively coupled to a second of the plurality of stem pins, wherein the second bead glass has at least three sides, and wherein the second wire is arranged around less than three sides of the second bead glass.

21. (New) The electron gun of claim 20, wherein the second wire is arranged in parallel to only one of the sides of the second bead glass.

22. (New) A cathode ray tube comprising the electrode gun of claim 1.

23. (New) The cathode ray tube of claim 22, wherein the cathode ray tube is a color cathode ray tube.

24. (New) A cathode ray tube comprising the electrode gun of claim 2.

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25. (New) The cathode ray tube of claim 2, wherein the cathode ray tube is a color cathode ray tube.

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26. (New) A cathode ray tube comprising the electrode gun of claim 17.

27. (New) The cathode ray tube of claim 17, wherein the cathode ray tube is a color cathode ray tube.

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